

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claims 1-5. (canceled).

6. (new) System for treating fluids in a pipe to resist scale deposits from building up in the pipe, comprising:

- a field generating coil mounted exteriorly of the pipe;

- an electronic circuit for energizing the field generating coil to develop an alternating electromagnetic field in the fluid;

- a sensor for sensing a parameter related to the functioning of the system and for generating a parameter dependent signal;

- a feed back circuit for feeding back said parameter dependent signal to said electronic circuit to control said electronic circuit;

wherein

- the sensor comprises a field measuring coil mounted exteriorly of said pipe near the field generating coil; and

the feed back circuit comprises field strength measuring electronics which together with said field measuring coil act as a field strength meter.

7. (new) The system according to claim 6, wherein the field measuring coil is positioned alongside the field generating coil with no or small intermediate distance.

8. (new) The system according to claim 6, wherein the electronic circuit for energizing the field generating coil comprises an amplifier and a signal generator, and the amplification value is adjusted as a function of the signal from the field strength meter.

9. (new) The system according to claim 6, wherein the feed back circuit comprises a band filter.

10. (new) The system according to claim 7, wherein the electronic circuit for energizing the field generating coil comprises an amplifier and a signal generator, and the amplification value is adjusted as a function of the signal from the field strength meter.